CLAIMS

What is claimed is:

1. A method of calculating automobile insurance including a device to monitor a vehicle and communicate with a contracting company comprising:

acquiring location information of the vehicle with a location system;

deriving a cost increment by evaluating at least said location information and a pricing database; and

transmitting said cost increment to the contracting company, wherein said cost increment essentially consists of monetary information.

2. The method of calculating automobile insurance of Claim 1, further comprising acquiring vehicle information.

3. The method of calculating automobile insurance of Claim 2 wherein said cost increment is devoid of at least one of said location information and said vehicle information.

4. The method of calculating automobile insurance of Claim 2, wherein said location information includes at least one of a geographical location of the vehicle, a duration of time the vehicle is located at said geographical location, a vehicle speed, an applicable speed limit, and combinations thereof.

5. The method of calculating automobile insurance of Claim 2, wherein said vehicle information includes at least one of a vehicle speed, a vehicle acceleration rate, a vehicle deceleration rate, a vehicle maintenance status, an engine speed, a brake force, a vehicle payload, and combination thereof.

6. The method of calculating automobile insurance of Claim 2, further comprising restricting access to at least one of said location information and said vehicle information.

Encrypting & decrypting

7. The method of calculating automobile insurance of Claim 2, further comprising accessing at least one of said location information and said vehicle information with an access key, wherein said access key consists of at least two passkeys.

8. The method of calculating automobile insurance of Claim 7, wherein a first passkey is retained by a customer and a second passkey is retained by the contracting company.

9. The method of calculating automobile insurance of Claim 1, wherein said location system includes at least one of a global positioning satellite receiver to determine location and a geographical database configured to be resident on the device.

10. The method of calculating automobile insurance of Claim 1, wherein said pricing database at least includes actuarial statistics.

11. The method of calculating automobile insurance of Claim 2, further comprising encrypting at least one of said location information and said vehicle information.

12. The method of calculating automobile insurance of Claim 2, further comprising decrypting at least one of said location information and said vehicle information with an access key, wherein said access key consists of at least two passkeys.

13. The method of calculating automobile insurance of Claim 1, further comprising providing user access to said cost increment.

14. The method of calculating automobile insurance of Claim 13, wherein said user access includes at least one of internet web site interface, a phone interface, a customer service interface, and combinations thereof.

15. The method of calculating automobile insurance of Claim 1, wherein transmitting said cost increment includes at least one of establishing a cellular phone connection, establishing a radio connection, establishing microwave communication, establishing a phone connection, establishing an internet connection, and combinations thereof.

16. A vehicle insurance computation device that is installed in a vehicle and communicates with a contracting company comprising:

a computation device configured to acquire location information of the vehicle and derive a cost increment by evaluating at least said location information and a pricing database; and 1(a) & 1(b)

a transmitting device to send said cost increment to the contracting company, wherein said cost increment essentially consists of monetary information. 1(c)

2 - 17. The vehicle insurance computation device of Claim 16 wherein said computation device is further configured to acquire vehicle information.

3 - 18. The vehicle insurance computation device of Claim 17 wherein said cost increment is devoid of at least one of said location information and said vehicle information.

4 - 19. The vehicle insurance computation device of Claim 17, wherein said location information includes at least one of a geographical location of the vehicle, a duration of time the vehicle is located at said geographical location, a vehicle speed, an applicable speed limit, and combinations thereof.

5 - 20. The vehicle insurance computation device of Claim 17, wherein said vehicle information includes at least one of a vehicle speed, a vehicle acceleration rate, a vehicle deceleration rate, a vehicle maintenance status, an engine speed, a brake force, a vehicle payload, and combinations thereof.

7 - 21. The vehicle insurance computation device of Claim 17, further comprising an access device that is configured to provide access to said at least one of said location information and said vehicle information with an access key, wherein said access key consists of at least two passkeys.

8 - 22. The vehicle insurance computation device of Claim 21, wherein a first passkey is retained by a customer and a second passkey is retained by the contracting company.

9 - 23. The vehicle insurance computation device of Claim 16, wherein said computation device includes at least one of a global positioning satellite receiver to determine location and a geographical database configured to be resident on the device.

10 - 24. The vehicle insurance computation device of Claim 23, wherein said pricing database at least includes actuarial statistics.

11 - 25. The method of calculating automobile insurance of Claim 17, wherein at least one of said location information and said vehicle information are encrypted.

12 - 26. The vehicle insurance computation device of Claim 21 wherein said access device is configured to decrypt at least one of said location information and said vehicle information with said access key.

13 - 27. The vehicle insurance computation device of Claim 16, further comprising a user access system configured to provide user access to said cost increment.

14 - 28. The vehicle insurance computation device of Claim 27, wherein said user access system includes at least one of internet web site interface, a phone interface, a customer service interface, and combinations thereof.

15- 29. The vehicle insurance computation device of Claim 16, wherein said transmitting device includes at least one of a cellular phone connection, a radio connection, microwave communication, a phone connection, an internet connection, and combinations thereof.

30. A method of determining a cost of insuring a motor vehicle, comprising:

using a monitoring apparatus located on-board the motor vehicle to at least assist in monitoring an operational factor associated with the vehicle in real time;

recording information relating to said operational factor; and

using said recorded information to determine an incremental insurance cost for said motor vehicle related to a given incremental time period.

31. The method of claim 30, further comprising having an underwriting entity provide the operator with a charge for an insuring said vehicle, based on said incremental insurance cost, for said given incremental time period.

32. The method of claim 30, wherein determining an incremental insurance cost comprises using a cost calculation system and a cost lookup database having actuarial information, in addition to said recorded information.

33. The method of claim 30, wherein monitoring an operational factor of said vehicle comprises monitoring at least one of the group of variable comprising:

a speed of said vehicle;

a geographic location of said vehicle;

an acceleration of said vehicle; and

a deceleration of said vehicle.

34. The method of claim 33, further comprising using an external location identification system for assisting in determining a geographic location of said vehicle.